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Index to drawing book 2

Include work order no. and floor no. if applicable

Roll # (e.g., CORR-4): DB06	Doc. ID (report #, dwg. #):	
Document Date:	Document Author Name:	Author Organization:

KEYWORDS – HIGHLIGHT ALL THAT APPLY

Level 1

Bankers Trust	Project 6	WTC 4 - South Plaza Bldg.
Concourse	Project 7	WTC 5 - North Plaza Bldg.
Electrical Substation	Project 8	WTC 6 - Customs House
Liberty Plaza	WFC 1 - Oppenhiemer Dow	WTC 7
PATH Station	WFC 2 - Tower B	WTC Complex
Project 1	WFC 3 - American Express	WTC Plaza
Project 2	WFC 4 - Tower D	
Project 3	WTC 1 - North Tower	Add
Project 4	WTC 2 - South Tower	
Project 5	WTC 3 - Marriot Hotel	

Level 2

Accident analysis & risk	Fire protection	Police	Add
Architectural	Fire service	Security	
Data request	Management	Structural	
Emergency management	Mech./elec.	Tenant alterations	
Evacuation	News coverage		

Level 3

1993 explosion	Deflection	Human comfort	Smoke control
A/E fitout	Demolition	HVAC	Smoke test
A-242	Design	Index	Spandrel beam
A-36	Detailing	Inspection	Specifications Splices
A-497	Doors	Insulation	Sprinkler
Air cooled condensers	Drawings	Job number	Stability
Analysis	Eastern States Steel	Joist	Stairways
Angles	Egress	L-50	Standards
Antenna	Elevator	Lighting	Steel
Artifacts	Emergency communications	Loads	Steel composition
Asbestos	Equipment	Maintenance	Stiffness
Beams	Erection marks	Marking	Structural review
Bow tie	Escalator	Mesh reinforcement	Survivor
Bracing	Expansion joint	Mill inspection	Tenant list
Bridging truss	Exterior columns	Model	Testing
Calculations	Fabrication	Mullion	Tie
Carpet	Family member	Operations	Tolerances
Ceilings	Field survey	Paint	Triad
Certification	Fire alarms	Partition layout	Truss
Chillers	Fireproofing	Photos	Vestibule
Cladding	Fire spread	Pipes	Vibration
Collapse	Flammability	Plumbing	Walls
Columns	Floor	Probability, uncertainty	Water supply
Communication systems	Floor load	Quality control	Weather
Composite truss	Floor slab	Reinforcing (strengthening)	Weight
Computer output	Floor system	Renovation	Weld detail
Computer program	Floor trusses	Repair	Weld size
Concrete	Foundations	Research & Development	Welding
Connections	Fracture	Roof	Wind
Construction	Frame	Safety	Windows
Contract	Frame analysis	Schedule	Yield strength
Core beams	Frequency	Sculpture	
Core columns	Fuel	Security system	Add
Cranes	Furniture layout	Shear knuckle	
Criteria	H Generators	Shear test	
Dampers	Guidelines	Shop drawings	
Debris	Gypsum board	Shortening	
Deck	Hat truss	Slurry wall	

WTCI-722-LERA

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	11/26/71

REVISIONS

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722-L

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers — Printed

PROJECT: THE WORLD TRADE CENTER | TITLE: DRAWING BOOK 2 - EXTERIOR WALL TREE | DATE: 10/ 1/69

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PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	9/ 2/69

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PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	7/ 1/69

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PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	4/ 1/69

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SKILLING, HELLE, CHRISTIANSEN, ROBERTSON Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: DRAWING BOOK 2 - EXTERIOR WALL TREE | DATE: 4/ 1/69

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SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	3/ 3/69

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				2-AB2- 23	1- 2-68		
				2-AB2- 24	12-18-67		
				2-AB2- 25	12-18-67		
				2-AB2- 28	7-28-67		
				2-AB2- 29	4- 7-67		
				2-AB2- 30	4- 7-67		
				2-AB2- 31	12-18-67		
				2-AB2- 32	12-18-67		
				2-AB2- 33	12-18-67		
				2-AB2- 34	8/20/68		
				2-AB2- 35	8/20/68		
				2-AB2- 36	10/16/68		

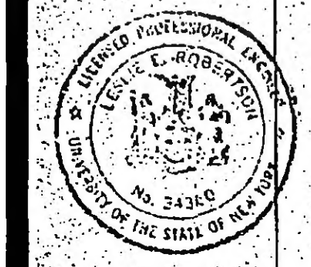
LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 3430 — UNIVERSITY OF THE STATE OF NEW YORK

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: DRAWING BOOK 2 - EXTERIOR WALL TREE | DATE: 2/ 3/69

REVISIONS

2-A1 - 1	2/ 3/69	2-B1 - 1	2/ 3/69	2-AB2- 1	2/ 3/69	SA-125	4- 7-67
2-A1- 2	12-18-67	2-B1- 2	8/20/68	2-AB2- 2	4- 7-67	SA-126	5- 8-67
2-A1- 3	7-28-67	2-B1- 3	7-28-67	2-AB2- 3	4- 7-67	SA-127	4- 7-67
2-A1- 4	12-18-67	2-B1- 4	8/20/68	2-AB2- 4	7-26-67	SA-128	2/15/68
2-A1- 5	12-18-67	2-B1- 5	8/20/68	2-AB2- 5	7-26-67	SB-125	2/15/68
2-A1- 6	12-18-67	2-B1- 6	12-18-67	2-AB2- 6	7-17-67	SB-126	2/15/68
2-A1- 7	12-18-67	2-B1- 7	8/20/68	2-AB2- 7	4- 7-67	SB-127	2/15/68
2-A1- 8	12-18-67	2-B1- 8	8/20/68	2-AB2- 8	4- 7-67	SB-128	2/15/68
2-A1- 9	7-28-67	2-B1- 9	7-28-67	2-AB2- 9	4- 7-67		
2-A1- 10	12-18-67	2-B1- 10	8/20/68	2-AB2- 10	4- 7-67		
2-A1- 11	12-18-67	2-B1- 11	8/20/68	2-AB2- 11	4- 7-67		
2-A1- 12	12-18-67	2-B1- 12	12-18-67	2-AB2- 12	12-18-67		
2-A1- 13	12-18-67	2-B1- 13	8/20/68	2-AB2- 13	4- 7-67		
				2-AB2- 14	4- 7-67		
				2-AB2- 15	12-18-67		
				2-AB2- 16	4- 7-67		
				2-AB2- 17	7-25-67		
				2-AB2- 18	12-18-67		
				2-AB2- 19	7-25-67		
				2-AB2- 20	7-25-67		
				2-AB2- 21	7-25-67		
				2-AB2- 22	8/20/68		
				2-AB2- 23	1- 2-68		
				2-AB2- 24	12-18-67		
				2-AB2- 25	12-18-67		
				2-AB2- 26	7-28-67		
				2-AB2- 29	4- 7-67		
				2-AB2- 30	4- 7-67		
				2-AB2- 31	12-18-67		
				2-AB2- 32	12-18-67		
				2-AB2- 33	12-18-67		
				2-AB2- 34	8/20/68		
				2-AB2- 35	8/20/68		
				2-AB2- 36	10/16/68		



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 2 - EXTERIOR WALL TREE	1/ 3/69

REVISIONS

2-A1 - 1	1/ 2/69	2-B1 - 1	1/ 3/69	2-AB2- 1	1/ 3/69	SA-125	4- 7-67
2-A1- 2	12-18-67	2-B1- 2	8/20/68	2-AB2- 2	4- 7-67	SA-126	5- 8-67
2-A1- 3	7-28-67	2-B1- 3	7-28-67	2-AB2- 3	4- 7-67	SA-127	4- 7-67
2-A1- 4	12-18-67	2-B1- 4	8/20/68	2-AB2- 4	7-28-67	SA-128	2/15/68
2-A1- 5	12-18-67	2-B1- 5	8/20/68	2-AB2- 5	7-28-67	SB-125	2/15/68
2-A1- 6	12-18-67	2-B1- 6	12-18-67	2-AB2- 6	7-17-67	SB-126	2/15/68
2-A1- 7	12-18-67	2-B1- 7	8/20/68	2-AB2- 7	4- 7-67	SB-127	2/15/68
2-A1- 8	12-18-67	2-B1- 8	8/20/68	2-AB2- 8	4- 7-67	SB-128	2/15/68
2-A1- 9	7-28-67	2-B1- 9	7-28-67	2-AB2- 9	4- 7-67		
2-A1- 10	12-18-67	2-B1- 10	8/20/68	2-AB2- 10	4- 7-67		
2-A1- 11	12-18-67	2-B1- 11	8/20/68	2-AB2- 11	4- 7-67		
2-A1- 12	12-18-67	2-B1- 12	12-18-67	2-AB2- 12	12-18-67		
2-A1- 13	12-18-67	2-B1- 13	8/20/68	2-AB2- 13	4- 7-67		
				2-AB2- 14	4- 7-67		
				2-AB2- 15	12-18-67		
				2-AB2- 16	4- 7-67		
				2-AB2- 17	7-25-67		
				2-AB2- 18	12-18-67		
				2-AB2- 19	7-25-67		
				2-AB2- 20	7-25-67		
				2-AB2- 21	7-25-67		
				2-AB2- 22	8/20/68		
				2-AB2- 23	1- 2-68		
				2-AB2- 24	12-18-67		
				2-AB2- 25	12-18-67		
				2-AB2- 28	7-28-67		
				2-AB2- 29	4- 7-67		
				2-AB2- 30	4- 7-67		
				2-AB2- 31	12-18-67		
				2-AB2- 32	12-18-67		
				2-AB2- 33	12-18-67		
				2-AB2- 34	8/20/68		
				2-AB2- 35	8/20/68		
				2-AB2- 36	10/16/68		

LICENSED PROFESSIONAL ENGINEER
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No. 34360
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SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: DRAWING BOOK 2 - EXTERIOR WALL TREE | DATE: 1-8-68

REVISIONS

2-A1- 1	7-25-67	2-B1- 1	7-25-67	2-AB2- 1	4- 7-67	SA-125	4- 7-67
2-A1- 2	12-18-67	2-B1- 2	12-18-67	2-AB2- 2	4- 7-67	SA-126	5- 8-67
2-A1- 3	7-28-67	2-B1- 3	7-28-67	2-AB2- 3	4- 7-67	SA-127	4- 7-67
2-A1- 4	12-18-67	2-B1- 4	12-18-67	2-AB2- 4	7-28-67	SA-128	5- 8-67
2-A1- 5	12-18-67	2-B1- 5	12-18-67	2-AB2- 5	7-28-67	SB-125	5- 8-67
2-A1- 6	12-18-67	2-B1- 6	12-18-67	2-AB2- 6	7-17-67	SB-126	5- 8-67
2-A1- 7	12-18-67	2-B1- 7	12-18-67	2-AB2- 7	4- 7-67	SB-127	5- 8-67
2-A1- 8	12-18-67	2-B1- 8	12-18-67	2-AB2- 8	4- 7-67	SB-128	5- 8-67
2-A1- 9	7-28-67	2-B1- 9	7-28-67	2-AB2- 9	4- 7-67		
2-A1- 10	12-18-67	2-B1- 10	12-18-67	2-AB2- 10	4- 7-67		
2-A1- 11	12-18-67	2-B1- 11	12-18-67	2-AB2- 11	4- 7-67		
2-A1- 12	12-18-67	2-B1- 12	12-18-67	2-AB2- 12	12-18-67		
2-A1- 13	12-18-67	2-B1- 13	12-18-67	2-AB2- 13	4- 7-67		
				2-AB2- 14	4- 7-67		
				2-AB2- 15	12-18-67		
				2-AB2- 16	4- 7-67		
				2-AB2- 17	7-25-67		
				2-AB2- 18	12-18-67		
				2-AB2- 19	7-25-67		
				2-AB2- 20	7-25-67		
				2-AB2- 21	7-25-67		
				2-AB2- 22	7-25-67		
				2-AB2- 23	1- 2-68		
				2-AB2- 24	12-18-67		
				2-AB2- 25	12-18-67		
				2-AB2- 26	VOID		
				2-AB2- 27	VOID		
				2-AB2- 28	7-28-67		
				2-AB2- 29	4- 7-67		
				2-AB2- 30	4- 7-67		
				2-AB2- 31	12-18-67		
				2-AB2- 32	12-18-67		
				2-AB2- 33	12-18-67		
				2-AB2- 34	12-18-67		
				2-AB2- 35	12-18-67		
				2-AB2- 36	12-18-67		

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 34360
STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL – TREE – SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69
2-3-69
3-3-69
4-1-69
Printed 5-1-69

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB4	HELD 3	TYPE	FYB1	FYB2	FYB4	HELD 3	TYPE	FYB1	FYB2	FYB6	HELD 3	COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1	TYPE	FYC1	FYC2	LEVEL C COL.2	TYPE	FYC1	FYC2	LEVEL C COL.3	TYPE	FYC1	FYC2
(1)		(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2	TYPE	FYD1	FYD2	FYD5	HELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	HELD 5	HELD 6	HELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B		SEAT DETAILS					SPANDREL LEVEL D							SEAT DETAILS			
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	HELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND TOWER DESIGNATION A OR B
(NOTE) PANELS ARE SHOWN FROM INSIDE OF BUILDING LOOKING OUT. FOR PANEL ELEVATION SEE 2-A82-2
SCHEDULED COLUMN 1 IS THE LEFT COLUMN; COLUMN 2 THE MIDDLE COLUMN AND COLUMN 3 THE RIGHT COLUMN
(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-A82-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-A82-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-A82-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-A82-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-A82-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-A82-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-A82-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-A82-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-A82-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-A82-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-A82-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-A82-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-A82-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-A82-31 THRU 34

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34260 — UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69
2-3-69
3-3-69
4-1-69

	LEVEL B COLUMN 1						LEVEL B COLUMN 2						LEVEL B COLUMN 3						UPPER COL. SPLICE		
PNL NO	TYPE	FY61	FY62	FY66	WELD 3		TYPE	FY61	FY62	FY66	WELD 3		TYPE	FY61	FY62	FY66	WELD 3		COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)		(2)	(3)	(4)	(3)	(5)		(2)	(3)	(4)	(3)	(5)		(6)	(6)	(6)

	LEVEL C COL.1				LEVEL C COL.2				LEVEL C COL.3			
PNL NO	TYPE	FYC1	FYC2		TYPE	FYC1	FYC2		TYPE	FYC1	FYC2	
(1)	(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)	

	LEVEL D COLUMN 1							LEVEL D COLUMN 2						LEVEL D COLUMN 3						
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2		TYPE	FYD1	FYD2	FYD5	WELD 2		TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	
(1)	(8)	(3)	(3)	(3)	(3)	(9)		(8)	(3)	(3)	(3)	(9)		(8)	(3)	(3)	(3)	(3)	(9)	

	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7		LEVEL F	TYPE	FYF1	FYF2	LCS	
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)			(12)	(3)	(3)	(13)	

	SPANDREL LEVEL B				SEAT DETAILS			SPANDREL LEVEL D								SEAT DETAILS		
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND TOWER DESIGNATION A OR B
(NOTE) PANELS ARE SHOWN FROM INSIDE OF BUILDING LOOKING OUT. FOR PANEL ELEVATION SEE 2-AB2-2
SCHEDULED COLUMN 1 IS THE LEFT COLUMN, COLUMN 2 THE MIDDLE COLUMN, AND COLUMN 3 THE RIGHT COLUMN
(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6.
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF THE STATE OF NEW YORK No. 34260

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69
2-3-69
3-3-69

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	COL.1	COL.2	COL.3
	(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1	TYPE	FYC1	FYC2	LEVEL C COL.2	TYPE	FYC1	FYC2	LEVEL C COL.3	TYPE	FYC1	FYC2
(1)		(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	TYPE	FYD1	FYD2	FYD5	WELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B		SEAT DETAILS					SPANDREL LEVEL D							SEAT DETAILS			
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TDE	FYD8	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND TOWER DESIGNATION A OR B
(NOTE) PANELS ARE SHOWN FROM INSIDE OF BUILDING LOOKING OUT. FOR PANEL ELEVATION SEE 2-AB2-2
SCHEDULED COLUMN 1 IS THE LEFT COLUMN, COLUMN 2 THE MIDDLE COLUMN AND COLUMN 3 THE RIGHT COLUMN
(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 34

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

DIVISIONS
1-3-69
2-3-69

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FY01	FY02	FY06	WELD 3	TYPE	FY01	FY02	FY06	WELD 3	TYPE	FY01	FY02	FY06	WELD 3	COL.1	COL.2	COL.3
	(1)	(2)	(3)	(4)	(5)	(2)	(3)	(4)	(5)		(2)	(5)	(4)	(5)		(6)	(6)	(6)

PNL NO	LEVEL C COL.1	TYPE	FYC1	FYC2	LEVEL C COL.2	TYPE	FYC1	FYC2	LEVEL C COL.3	TYPE	FYC1	FYC2
	(1)	(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	TYPE	FYD1	FYD2	FYD5	WELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
	(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
	(1)	(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B			SEAT DETAILS			SPANDREL LEVEL D								SEAT DETAILS		
PNL NO	TB4	FY04	SCL	SCR	COL.1	COL.2	COL.3	TD4	FY04	TD7	FY07	TD8	FY08	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
	(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 STATE OF NEW YORK UNIVERSITY

WORTHINGTON, SKILLING, HELLE & JACKSON · Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69

PNL NO	LEVEL B COLUMN 1 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 3	LEVEL B COLUMN 2 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 3	LEVEL B COLUMN 3 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 3	UPPER COL. SPLICE COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)		(3)	(5)	(2)	(3)	(4)		(3)	(5)	(2)	(3)	(4)		(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1 TYPE	FYC1	FYC2	LEVEL C COL.2 TYPE	FYC1	FYC2	LEVEL C COL.3 TYPE	FYC1	FYC2
(1)	(7)	(3)	(3)	(7)	(3)	(3)	(7)	(3)	(3)

PNL NO	LEVEL D COLUMN 1 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	LEVEL D COLUMN 2 TYPE	FYD1	FYD2	FYD5	WELD 2	LEVEL D COLUMN 3 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F TYPE	FYF1	FYF2	LCS
(1)	(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)	(12)	(3)	(3)	(13)

PNL NO	SPANDREL LEVEL B T84	FYB4	SCL	SCR	SEAT DETAILS COL.1	COL.2	COL.3	SPANDREL LEVEL D TD4	FYD4	TD7	FYD7	TD8	FYD8	WELD 8	SCL	SCR	SEAT DETAILS COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF THE STATE OF NEW YORK No. 34260

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	HELD 3	TYPE	FYB1	FYB2	FYB6	HELD 3	TYPE	FYB1	FYB2	FYB6	HELD 3	COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C	COL.1	TYPE	FYC1	FYC2	LEVEL C	COL.2	TYPE	FYC1	FYC2	LEVEL C	COL.3	TYPE	FYC1	FYC2
(1)			(7)	(3)	(3)			(7)	(3)	(3)			(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2						LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2	TYPE	FYD1	FYD2	FYD5		HELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)		(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	HELD 5	HELD 6	HELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B			SEAT DETAILS			SPANDREL LEVEL D							SEAT DETAILS		
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	HELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) HELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
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(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-8 THRU 11
(9) HELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-12 THRU 15
(11) HELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
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(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34260 — UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69
2-3-69
3-3-69
4-1-69
Printed 5-1-69

	LEVEL B COLUMN 1						LEVEL B COLUMN 2						LEVEL B COLUMN 3						UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	HELD 3		TYPE	FYB1	FYB2	FYB6	HELD 3		TYPE	FYB1	FYB2	FYB6	HELD 3		COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)		(2)	(3)	(4)	(3)	(5)		(2)	(3)	(4)	(3)	(5)		(6)	(6)	(6)

	LEVEL C COL.1				LEVEL C COL.2				LEVEL C COL.3			
PNL NO	TYPE	FYC1	FYC2		TYPE	FYC1	FYC2		TYPE	FYC1	FYC2	
(1)	(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)	

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3						
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2	TYPE	FYD1	FYD2	FYD5	HELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2	
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)	

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	HELD 5	HELD 6	HELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B				SEAT DETAILS			SPANDREL LEVEL D							SEAT DETAILS		
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	HELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(10)	(3)	(10)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
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(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
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(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 34360
UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS
1-3-69
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3-3-69
4-1-69

PNL NO	LEVEL B COLUMN 1 TYPE	FYB1	FYB2	FYB6	WELD 3	LEVEL B COLUMN 2 TYPE	FYB1	FYB2	FYB6	WELD 3	LEVEL B COLUMN 3 TYPE	FYB1	FYB2	FYB6	WELD 3	UPPER COL. SPLICE COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1 TYPE	FYC1	FYC2	LEVEL C COL.2 TYPE	FYC1	FYC2	LEVEL C COL.3 TYPE	FYC1	FYC2
(1)	(7)	(3)	(3)	(7)	(3)	(3)	(7)	(3)	(3)

PNL NO	LEVEL D COLUMN 1 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	LEVEL D COLUMN 2 TYPE	FYD1	FYD2	FYD5	WELD 2	LEVEL D COLUMN 3 TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F TYPE	FYF1	FYF2	LCS
(1)	(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)	(12)	(3)	(3)	(13)

PNL NO	SPANDREL LEVEL B TB4	FYB4	SCL	SCR	SEAT DETAILS COL.1	COL.2	COL.3	SPANDREL LEVEL D TD4	FYD4	TD7	FYD7	TD3	FYD8	WELD 8	SCL	SCR	SEAT DETAILS COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
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LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS:
1-3-69
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3-3-69

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	COL.1	COL.2	COL.3
	(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C	COL.1	TYPE	FYC1	FYC2	LEVEL C	COL.2	TYPE	FYC1	FYC2	LEVEL C	COL.3	TYPE	FYC1	FYC2
(1)			(7)	(3)	(3)			(7)	(3)	(3)			(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	TYPE	FYD1	FYD2	FYD5	WELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B		SEAT DETAILS					SPANDREL LEVEL D							SEAT DETAILS			
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD3	FYD8	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

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(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR ADJOINING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

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	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	TYPE	FYB1	FYB2	FYB6	WELD 3	COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1			LEVEL C COL.2			LEVEL C COL.3		
	TYPE	FYC1	FYC2	TYPE	FYC1	FYC2	TYPE	FYC1	FYC2
(1)	(7)	(3)	(3)	(7)	(3)	(3)	(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2	TYPE	FYD1	FYD2	FYD5	WELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B				SEAT DETAILS			SPANDREL LEVEL D								SEAT DETAILS		
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND TOWER DESIGNATION - A OR B
(NOTE) PANELS ARE SHOWN FROM INSIDE OF BUILDING LOOKING OUT. FOR PANEL ELEVATION SEE 2-AB2-2
SCHEDULED COLUMN 1 IS THE LEFT COLUMN, COLUMN 2 THE MIDDLE COLUMN AND COLUMN 3 THE RIGHT COLUMN
(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF THE STATE OF NEW YORK No. 34360

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE 7-25-67

REVISIONS

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	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FY01	FY02	FY06	WELD 5	TYPE	FY01	FY02	FY06	WELD 3	TYPE	FY01	FY02	FY06	WELD 3	COL.1	COL.2	COL.3
	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C	COL.1	TYPE	FYC1	FYC2	LEVEL C	COL.2	TYPE	FYC1	FYC2	LEVEL C	COL.3	TYPE	FYC1	FYC2
(1)			(7)	(3)	(3)			(7)	(3)	(3)			(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FY01	FY02	FY05	FY 6	WELD 2	TYPE	FY01	FY02	FY05	WELD 2	TYPE	FY01	FY02	FY05	FY06	WELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	WELD 5	WELD 6	WELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL B			SEAT DETAILS			SPANDREL LEVEL D							SEAT DETAILS				
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	WELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND TOWER DESIGNATION A OR B
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(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) WELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-8 THRU 11
(9) WELD SIZE (INCHES) SEE 2-AB2-9 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-12 THRU 15
(11) WELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND WELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 UNIVERSITY OF THE STATE OF NEW YORK

WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL - TREE - SCHEDULE NOTES | DATE: 7-25-67

REVISIONS

	LEVEL B COLUMN 1					LEVEL B COLUMN 2					LEVEL B COLUMN 3					UPPER COL. SPLICE		
PNL NO	TYPE	FYB1	FYB2	FYB6	HELD 3	TYPE	FYB1	FYB2	FYB6	HELD 3	TYPE	FYB1	FYB2	FYB6	HELD 3	COL.1	COL.2	COL.3
(1)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(2)	(3)	(4)	(3)	(5)	(6)	(6)	(6)

PNL NO	LEVEL C COL.1	TYPE	FYC1	FYC2	LEVEL C COL.2	TYPE	FYC1	FYC2	LEVEL C COL.3	TYPE	FYC1	FYC2
(1)		(7)	(3)	(3)		(7)	(3)	(3)		(7)	(3)	(3)

	LEVEL D COLUMN 1						LEVEL D COLUMN 2					LEVEL D COLUMN 3					
PNL NO	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2	TYPE	FYD1	FYD2	FYD5	HELD 2	TYPE	FYD1	FYD2	FYD5	FYD6	HELD 2
(1)	(8)	(3)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(9)	(8)	(3)	(3)	(3)	(3)	(9)

PNL NO	LEVEL E	TYPE	FYE1	FYE2	FYE3	FYE4	FYE5	FYE6	FYE7	FYE8	HELD 5	HELD 6	HELD 7	LEVEL F	TYPE	FYF1	FYF2	LCS
(1)		(10)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(11)	(11)	(11)		(12)	(3)	(3)	(13)

	SPANDREL LEVEL D				SEAT DETAILS			SPANDREL LEVEL D							SEAT DETAILS		
PNL NO	TB4	FYB4	SCL	SCR	COL.1	COL.2	COL.3	TD4	FYD4	TD7	FYD7	TD8	FYD8	HELD 8	SCL	SCR	COL.1	COL.2	COL.3
(1)	(14)	(3)	(15)	(16)	(17)	(17)	(17)	(18)	(3)	(18)	(3)	(18)	(3)	(19)	(20)	(21)	(17)	(17)	(17)

(1) PANEL NUMBER - IDENTIFIED BY COLUMN NUMBER FOR CENTER COLUMN OF PANEL AND LOWER DESIGNATION A OR B
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(2) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-4 THRU 6
(3) REQUIRED YIELD STRENGTH FOR INDICATED PLATE (KSI)
(4) REQUIRED YIELD STRENGTH FOR PLATE B2 AND B3 (KSI)
(5) HELD SIZE (INCHES) SEE 2-AB2-4 FOR LOCATION
(6) DETAIL NUMBER FOR UPPER COLUMN SPLICE - SEE 2-AB2-25 THRU 27
(7) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-7
(8) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-8 THRU 11
(9) HELD SIZE (INCHES) SEE 2-AB2-8 FOR LOCATION
(10) ASSEMBLY TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-12 THRU 15
(11) HELD SIZE (INCHES) SEE 2-AB2-13 FOR LOCATION
(12) COLUMN TYPE. FOR DIMENSIONS, PLATE THICKNESSES AND HELDS - SEE 2-AB2-16
(13) DETAIL NUMBER FOR LOWER COLUMN SPLICE - SEE 2-AB2-29 AND 30
(14) THICKNESS OF PLATE B4 (INCHES) SEE 2-AB2-4 FOR DETAILS
(15) DETAIL NUMBER FOR LEFT SPANDREL CONNECTION - SEE 2-AB2-23
(16) DETAIL NUMBER FOR RIGHT SPANDREL CONNECTION - SEE 2-AB2-23
(17) DETAIL NUMBER FOR BEAM AND BRACING SEAT DETAILS - SEE 2-AB2-31 THRU 36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF THE STATE OF NEW YORK No. 34360

WORTHINGTON SKILLING HELLE & JACKSON — Civil & Structural Engineers

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SA-126 " " " " - WALL 200
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SB-125 EXTERIOR WALL ELEVATION TO FL.9 - WALL 100
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SA-126 " " " " - WALL 200
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SB-125 EXTERIOR WALL ELEVATION TO FL.9 - WALL 100
SB-126 " " " " - WALL 200
SB-127 " " " " - WALL 300
SB-128 " " " " - WALL 400

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 UNIVERSITY OF THE STATE OF NEW YORK

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SB-125 EXTERIOR WALL ELEVATION TO FL.9 - WALL 100
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LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
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UNIVERSITY OF THE STATE OF NEW YORK

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SA-126 " " " " - WALL 200
SA-127 " " " " - WALL 300
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LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
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REGISTERED IN THE STATE OF NEW YORK

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SA-126 " " " " - WALL 200
SA-127 " " " " - WALL 300
SA-128 " " " " - WALL 400

SB-125 EXTERIOR WALL ELEVATION TO FL.9 - WALL 100
SB-126 " " " " - WALL 200
SB-127 " " " " - WALL 300
SB-128 " " " " - WALL 400

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SA-126 " " " " - WALL 200
SA-127 " " " " - WALL 300
SA-128 " " " " - WALL 400

SB-125 EXTERIOR WALL ELEVATION TO FL 9 - WALL 100
SB-126 " " " " - WALL 200
SB-127 " " " " - WALL 300
SB-128 " " " " - WALL 400